AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A light-emitting diode (LED) illuminator with semiconductor light sources for a headgear with a visor, said illuminator comprising:

light emitting semiconductor light sources~~,~~;

a frame~~,~~; and

an electronics control part for controlling the semiconductor light sources, the electronics control part including a switch~~, and fastening parts for fastening the illuminator, the semiconductor light sources being directed in at least one given direction, such as towards at least one of a working object and area, wherein:~~

~~the illuminator is a unitary illuminator module;~~

~~the semiconductor light sources are fitted in a common connection part, side by side and directed towards at least one of the working object and area; and~~

~~the frame has two frame parts folded against each other so that at least a part of the visor remains between the frame parts, and the frame parts being attached to each other and the visor by means of releasable quick coupling parts~~

wherein the semiconductor light sources are directed in a given direction or directions,

wherein the semiconductor light sources are fitted in the frame, side by side and directed towards the given direction or directions,

wherein the switch is arranged integrally to the frame, and

wherein the switch is adapted to vary the lighting efficiency of the illuminator.

2. (Previously Presented) The LED illuminator according to claim 1, wherein the module is provided with ultraviolet (UV) LEDs so that at least some of the LEDs are UV LEDs.

3. (Previously Presented) The LED illuminator according to claim 1, wherein the module is also provided with infrared (IR) LEDs so that at least some of the LEDs are IR LEDs.

4. (Cancelled)

5. (Currently Amended) The LED illuminator according to claim 1, wherein the illuminator is a water-tight (IP class 55 and upwards) encapsulated LED unit ~~designed to be attached to protective helmets~~.

6. (Previously Presented) The LED illuminator according to claim 1, further comprising different and differently colored semiconductor light sources, which work either together or separately.

7-10. (Cancelled)